

METHOD AND SYSTEM FOR ENCRYPTING ELECTRONIC
MESSAGE USING SECURE AD HOC ENCRYPTION KEY

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ABSTRACT OF THE DISCLOSURE

A method and system for encrypting an electronic message to a receiver by
10 utilizing a sender generated ad hoc asymmetric key pair whose private key is encrypted
and known only to the sender. The key pair is uniquely associated with both the sender
and the receiver and is stored in a key server. A method and system for decrypting an
encrypted electronic message by authenticating the receiver to the sender and having the
sender retrieve and decrypt the encrypted private key. The above methods and systems
15 utilizing an ad hoc symmetric key instead of an ad hoc asymmetric key pair.